

ABSTRACT OF THE DISCLOSURE

A speed change ratio control unit for a continuously variable transmission that uses a step motor as a driving actuator of a speed change control valve comprising a step-out determination means that compares a variable (ASTP) representing a step position of the step motor and a step position (BSTP) of the step motor that is necessary for realizing a desired speed change ratio at every predetermined operation cycle, and if $ASTP \neq BSTP$ is satisfied determines that a step-out has occurred on the step motor; a step-out correction means (S17d, S17f) that when a step-out is determined by the step-out determination means (S17b) corrects the ASTP so as to reduce a difference between the ASTP and the BSTP; and a drive means for driving the step motor using the corrected ASTP. The speed change ratio control unit for a continuously variable transmission is provided that can detect and correct a step-out at any speed change ratio.